

MULTI-DOMAIN VERTICAL ALIGNMENT LIQUID CRYSTAL DISPLAY PANEL

Abstract

A multi-domain vertical alignment liquid crystal display (MVA LCD) panel has a bottom substrate, a top substrate parallel to the bottom substrate, and a liquid crystal molecule layer filled in between. The panel further has a plurality of pixel regions arranged in arrays on the bottom substrate, a plurality of common lines traversing the pixel regions, a plurality of pixel electrodes positioned in each pixel region above the common lines, a plurality of slits positioned on each pixel electrode, a common electrode layer positioned on the surface of the top substrate, and a plurality of protrusions arranged parallel to and alternatively with the slits and positioned on the surface of the common electrode layer. The protrusions and the common lines are partially overlapped.